

Title (en)

Microscopy system for visualising a fluorescence

Title (de)

Mikroskopiesystem und Aufnahmeverfahren zur Sichtbarmachung einer Fluoreszenz

Title (fr)

Système de microscope pour visualiser une fluorescence

Publication

**EP 1772726 A1 20070411 (DE)**

Application

**EP 06021081 A 20061006**

Priority

DE 102005048006 A 20051006

Abstract (en)

The system has an image sensor (101), readout electronics and a controller (35) for configuring at least one gain so that a boundary charge value is a small first charge value, binary numbers are received by the readout electronics representing an image detected by the image sensor and the gain is readjusted so the boundary charge value is higher than for the preceding setting if at least one binary number represents a charge value above a maximum value in a repeating process. An independent claim is also included for a method of recording a series of fluorescence images using a camera system.

IPC 8 full level

**G01N 21/64** (2006.01); **G02B 21/00** (2006.01)

CPC (source: EP US)

**G01N 21/6428** (2013.01 - EP US); **G01N 21/6458** (2013.01 - EP US); **G02B 21/0076** (2013.01 - EP US)

Citation (search report)

- [A] DE 19809727 A1 19980910 - ASAHI OPTICAL CO LTD [JP]
- [A] US 5614948 A 19970325 - HANNAH ERIC C [US]
- [A] EP 0400605 A2 19901205 - SONY CORP [JP]
- [DA] DE 10339784 A1 20040325 - ZEISS CARL [DE], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1772726 A1 20070411**; **EP 1772726 B1 20111130**; AT E535796 T1 20111215; DE 102005048006 A1 20070412; JP 2007122048 A 20070517; JP 5218881 B2 20130626; US 2007090985 A1 20070426; US 7369073 B2 20080506

DOCDB simple family (application)

**EP 06021081 A 20061006**; AT 06021081 T 20061006; DE 102005048006 A 20051006; JP 2006274846 A 20061006; US 54426906 A 20061006